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The ***FEMP MONTHLY UPDATE*** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the ***UPDATE*** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The ***FEMP MONTHLY UPDATE*** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

## **DOE BULLETIN BOARD**

### ***SHORT-TERM ENERGY OUTLOOK, ENERGY INFORMATION ADMINISTRATION, JULY 2001***

EIA forecasts that the average price in July for a gallon of regular gasoline will be slightly below \$1.44, a decline from the June average price of \$1.62 per gallon.

In natural gas news, spot gas prices have dropped about \$1 per million Btu since mid June. EIA attributes this to mild weather across most of the U.S. and to a drop in industrial and utility sector demand. Due to increases in natural gas prices this winter, many electric utilities switched to other fuels. Electric utility demand for natural gas during the first six months of 2001 was 8.3 percent below demand during the same time last year. Industrial gas demand stagnated during the first four months of this year, but as natural gas prices dropped demand increased.

### **FEDERAL AIR CONDITIONING STANDARDS**

As previously mentioned in *FEMP Update*, DOE will withdraw its new energy conservation standards for residential central air conditioners and central air conditioning heat pumps and, as a substitute, raise by 20 percent the minimum energy efficiency levels of the current enforceable standards. The new levels have now been published in the *Federal Register*.

Meanwhile, the Attorneys General of New York, California, and Connecticut are taking the Administration to court for blocking air conditioner efficiency standards that the previous Administration had attempted to enact. The basis of the claim is a 1987 law prohibiting DOE from weakening an appliance efficiency standard. (Source: *Federal Register*, Vol. 66, No. 143; *Greenwire*, June 19, 2001, and [www.oag.state.ny.us/press/2001/jun/jun19a\\_01.html](http://www.oag.state.ny.us/press/2001/jun/jun19a_01.html))

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## **CONGRESSIONAL ACTIVITIES**

### **CONGRESSIONAL SCHEDULE**

Congress adjourns for a month-long recess on August 3 and will reconvene on September 4.

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### **COMMENTS AND ACTIVITIES**

*Republicans for a Responsible Energy Plan* A group of 250 Republicans recently sent a letter to President Bush expressing their **support for a “responsible” energy plan that focuses on energy efficiency and renewable energy.** A spokesperson for the group, Martha Marks, Commissioner of Lake County, Illinois, and President of Republicans for Environmental Protection, said, “We are focused on getting the Republican Party back on track toward a responsible energy plan.”

### **FY 2001 APPROPRIATIONS**

Refer to [Attachment A](#) for the status of FY 2002 appropriation bills.

#### **House**

*Military Construction* – The House is scheduled to begin hearings this week on what is traditionally the easiest appropriations bill to clear both chambers (*refer to [Attachment C](#) for schedule*).

*H.R. 2590 – FY 2002 Appropriations for Treasury, Postal Service, and General Government* On July 25 the House approved this bill, which will provide \$17.021 billion in discretionary spending to cover programs under the bill’s jurisdiction. The bill provides funding for the following programs of interest:

#### **Department of the Treasury**

- Treasury Building and Annex, Repair and Restoration - \$30.932 million.

#### **General Services Administration**

- Federal Buildings Fund, Construction

## NOTABLE QUOTES

“The National Academy of Science’s detailed review of two research programs at the Department of Energy, Energy Efficiency and Fossil Energy, generally reaffirms our efforts in these research-intensive programs.” (Source: Secretary of Energy Spencer Abraham press release, July 17, 2001)

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## DID YOU KNOW?

The EPA has created an online greenhouse gas calculator. Go to [www.epa.gov/globalwarming/tools/ghg\\_calc.html](http://www.epa.gov/globalwarming/tools/ghg_calc.html) to find out how much green house gases your household emits.

U.S. Home is planning to build 1,000 homes powered by solar energy in California. At least half of the systems will be provided by AstroPower, Inc. See the press release at [www.astropower.com/us\\_homes.htm](http://www.astropower.com/us_homes.htm).

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and Acquisition - \$328.816 million (\$500,000 for nonprospectus construction, \$84.406 million for courthouse and border station construction projects)

- Federal Buildings Fund, Repairs and Alterations - \$826.676 million
- Federal Buildings Fund, Rental of Space - \$2.95955 billion
- Federal Buildings Fund, Buildings Operations - \$1.760369 billion

***H.R. 2620 – FY 2002 Appropriations for the Departments of Veterans’ Affairs and Housing and Urban Development and Independent Agencies*** The bill cleared the full committee on July 25 and includes the following provisions of interest:

### Department of Veterans’ Affairs

- Major Construction Projects - \$183.180 million
- Minor Construction Projects - \$178.900 million

## Environmental Protection Agency

- Buildings and Facilities - \$25.318 million

## Senate

***S. \_\_\_ – FY 2002 Appropriations for Treasury, Postal Service, and General Government*** The unnumbered bill cleared the Committee on Appropriations on July 26; details of the bill were not available at press time.

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## STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

***Comprehensive Energy Legislation*** Both the House and Senate are expected to make progress on separate comprehensive energy legislation this week. In the House, Democrats last week demanded and received assurances from the Republican leadership that they could add amendments to the bill once it reaches the House floor. Democrats want to include in a floor vote provisions dealing with an increase in Corporate Average Fuel Economy standards and a prohibition against drilling in the Arctic National Wildlife Refuge. Consideration on the House floor this week is contingent on whether appropriations bills continue to move forward as scheduled by the leadership. The Committee on Rules will meet early in the week (perhaps Monday evening) to determine if the four current energy bills will remain separate or move forward as one bill for debate by the full House.

Meanwhile, in the Senate, Committee on Energy and Commerce Chairman Jeff Bingaman (D/NM) has scheduled two mark-ups this week on comprehensive energy legislation. Last week, the committee marked up energy R&D proposals resulting in a budget of \$450 million for DOE's renewable energy program and creation of the Center for Strategic Climate Change Response think tank. Senator Bingaman is said to be interested to submitting a bill to the full Senate by mid- to late-September.

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## NEW LEGISLATIVE INITIATIVES OF INTEREST TO FEMP

- See [Attachment B](#) – New Legislation of Interest to FEMP

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## HEARINGS OF INTEREST OF FEMP

- See [Attachment C](#) – Hearings of Interest to FEMP

### House

**Ethanol Production** Last week's hearing by the Subcommittee on Rural Enterprise, Agriculture, and Technology (Committee on Small Business) examined the proposals of two bills, *H.R. 2423* and *H.R. 1636* to encourage the production and use of ethanol and biodiesel fuels. Farmers and other small businesses are expected to benefit if the legislation were enacted through increased production of these fuels.

### Senate

**Elevation of the Environmental Protection Agency** Last week, the Committee on Governmental Affairs held a hearing to examine a proposal to elevate EPA to cabinet-level status; the committee is chaired by Senator Joseph Lieberman (D/CT). The bill, *S. 159*, has White House and bi-partisan support in the House and Senate. However, concern is growing in the Senate that "riders" will be attached to the bill to derail its passage. One contentious issue involves creating a senior policy position in the new department to oversee the agency's science programs.

**Utility Restructuring** On July 25-26 at a two-part hearing conducted by the Committee on Energy and Natural Resources on legislative proposals relating to comprehensive electricity restructuring legislation and the [Committee White Paper](#), panelists provided substantive recommendations for formulating a national energy policy and an interconnected electric grid system. The Committee White Paper (released on July 20) was favorably received by all stakeholders, meriting such comments from Federal Energy Regulatory Commissioner (FERC) Massey as "exceptionally well done," and American Public Power Association representative Roy Thilly deemed the report "excellent." After distilling the testimony and recommendations voiced by the American Public Power Association, Edison Electric Institute, Electric Power Supply Association, National Rural Electric Cooperative Association, and Western Governors Association, the groups expressed collective agreement on the following matters:

- The Federal Government should move forward in drafting a national energy policy.
- The role of FERC should be strengthened.
- Bottlenecks in transmission held significant responsibility for the problems experienced in California.
- Regional transmission organizations should be formed and regulated by FERC.

- *PURPA* and *PUHCA* should be revised or eliminated.

However, stakeholders did not reach consensus on the following issues:

- Whether or not FERC should have eminent domain authority
- Whether or not FERC's authority should be extended to all power entities, specifically public power authorities
- Whether or not transmission owners should be required to join a Regional Transmission Authority
- Whether or not a one-size-fits-all policy will work (i.e., a "National energy policy")
- Whether FERC should be granted a role in the siting and permitting of power plants

During the second hearing, FERC commissioners presented their thoughts on the white paper and their position on transmission. In general, the commissioners collectively advocated:

- Requiring Regional Transmission Organization (RTO) participation from all market participants
- Vesting FERC with eminent domain authority
- Requiring all power entities to play by the same interstate transmission rules

Each commissioner voiced specific conditions that reached beyond the group's collective policy stipulations.

William Massey felt that FERC needs greater penalty authority for system abusers, and additional authority over utility mergers.

Pat Wood noted that, under current legislation, transmission planning is subject to a "multi-headed master;" she said that it is difficult to gain consensus because so many stakeholders are involved in the planning process. Mr. Wood advocates that new legislation would "Plac[e] the responsibility for regional transmission planning in the hands of RTOs...as RTOs will have the clearest view of what new transmission is needed to facilitate competition and enhance reliability."

Nora Meade Brownell felt that since states are resource-poor, FERC should work with them to "explore the development of a coordinated system whereby we share standardized information, thereby reducing both the administrative and cost burden on the respective agencies and stakeholders. We must leverage our resources in concert with the states, particularly with regard to information sharing." She also felt that FERC should be authorized to procure all information as necessary from market participants in order "to perform its statutory responsibilities."

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# **FEDERAL AGENCY** **ACTIVITIES**

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### **DEPARTMENT OF ENERGY**

**The Department's Golden Field Office has announced the next peer review meeting of DOE's Photovoltaic Program.** The program office periodically conducts reviews to examine ongoing program activities and to "obtain input from DOE recognized experts from the research, technology, and business communities." The review will be conducted on August 6, 2001, in Golden, Colorado, and is open to the public. For information, contact Jeffrey Mazer at 202-586-2455 or via e-mail at Jeffrey.Mazer@hq.doe.gov.

**DOE, through Bechtel BWXT Idaho, has issued a Request for Information to develop and commercialize solar dehumidifier technology for residential application.** Under the proposed agreement, BWXT, a solar energy laboratory, and an industry partner will evaluate techniques previously identified by others to develop, design, and fabricate an integrated, low-cost, low-maintenance system. For additional information on the proposed project, contact Paul Grahova of Bechtel at (203) 526-3488 and refer to Solicitation Number S-10.

**The Department is seeking a contractor to provide technical solutions to improving combustion turbine operating efficiency through the use of reduction of the inlet air temperature below the then-existing ambient temperature.** The project will cover a broad range of combustion turbine sizes applicable to distributed energy applications and address electrical grid congestion problems and overall electrical grid reliability. Potential technologies include solar electric, fuel cells, internal combustion engines generators, combustion turbines, and small wind turbines. Contact Albert Benson at 617-565-9734 and refer to Solicitation Number 01R122646.

### **ENVIRONMENTAL PROTECTION AGENCY**

EPA is seeking a partner **to conduct a national assessment for photovoltaic-generated electricity to determine domestic emission reduction due to photovoltaic-generated electricity.** Selected sites will provide a meaningful statistical data set based on solar irradiance and utility power plant emission profiles. Contact Sandra Licis at 513-787-2006 and refer to Solicitation Number PR-CI-01-12087.

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### **ATLANTA REGION**

No activities of interest.

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### **BOSTON REGION**

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## Utility/DSM Activities

**The U.S. Postal Service is seeking an electric energy service provider for facilities located in the State of Maine** for a period of two years with three one-year options. Contact Deborah Wilcox-Loos at 860-285-7343 and refer to Solicitation Number 089480-01-A-0271.

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## CHICAGO REGION

No activities of interest.

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## DENVER REGION

### Utility/DSM Activities

**The General Services Administration's Fort Worth, Texas**, office has awarded a contract in the amount of \$1.4 million to Appelt Propane, Inc., of Three Rivers, Texas, for the supply of propane gas. Contact Becky Clark at 817-978-7103 for more information on Contract Number GS-07P-01-HHC-0034.

**The Department of Veterans Affairs is seeking total electric utility service for the North Texas Health Care System in Dallas**. Service is scheduled to begin on January 1, 2002, with four option years. For more information, contact Jay Hawkins at 214-857-0032 and refer to Solicitation Number 549-02-02.

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## PHILADELPHIA REGION

**President George W. Bush has ordered the White House to increase its energy conservation measures and plans to ask Congress to appropriate funds for a "significant modernization" of White House facilities.** Administration employees have adopted a number of conservation strategies including turning their lights and computers off when they leave their offices. The White House will also be retrofitted with motion detectors in conference rooms. (Source: *Greenwire*, June 29, 2001)

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## SEATTLE REGION

### Utility/DSM Activities

**The Federal Correctional Institution in Herlong, California**, has awarded a contract for \$3,179,332 to West Coast Gas, Inc., of Mather, California, for natural gas services. For more information, contact Belinda Toews at 202-30-0954 and refer to Contract Number JX00c-437.

The Camp Pendleton Regional Contracting Office is seeking a supplier of liquid propane gas for **the Marine Corps Mountain Warfare Training Center in Bridgeport, California, and the Coleville Housing area north of Bridgeport**. For additional information on Solicitation Number M00681-0-R02202, contact William Hepler at 60-725-8133.

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# **STATE AND LOCAL GOVERNMENT ACTIVITIES**

## **GENERAL ACTIVITIES**

In light of restructuring difficulties occurring throughout the West, **many state legislatures have proposed bills that will enable energy companies to construct new power plants with less regulatory requirements.** The state legislatures in Minnesota, Oregon, Washington, Iowa, and Montana have recently added provisions to their energy policies that will in effect, “make it easier to build new gas-fired plants, which could replace older, dirtier coal-fired ones.” Opponents believe that too many plants will be built, and Montana officials complain that that out-of-state energy companies will build plants that will benefit other states, rather than Montana. (Source: *Wall Street Journal*, June 27, 2001)

## **ATLANTA REGION**

### ► *Status of Utility-Related Activities*

**The Arkansas Public Service Commission voted to delay retail electric market competition until October 1, 2003,** from the originally scheduled date of January 1, 2001. The Public Service Commission order requires that all market participants produce reports on current generation, transmission infrastructure, potential net benefits of deregulation, and price forecasts. (Source: *Electricity Daily*, July 12, 2001)

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## **BOSTON REGION**

### ► *Status of Utility-Related Activities*

**The New York Attorney General believes that FERC should require the New York Independent System Operator (NYISO) to investigate allegations and collect funds from generators that have participated in market manipulation activities.** The NYISO does not want to assume this role, however, and argues that its responsibility is to “prospectively mitigat[e] price manipulation.” By focusing on preventing market manipulation this will essentially “render refunds moot.” The NYISO advocates a free market approach. (Source: *Energywashington.com*, July 3, 2001)

**The New York Independent System Operator agreed on a plan to prevent price gouging.** Their proposal, which would penalize energy buyers that “deliberately underestimate the amount of energy they need,” is up for Federal regulatory review. In addition, the proposal would punish generators that might sell power at a price much higher than previous bids without reasonable explanation. The Federal Energy Regulatory Commission will most likely agree on a cap of about \$150 per megawatt hour. The cap would behave as a “precautionary safeguard” against price spikes. (Source: *Greenwire*, June 20 and June 28, 2001)

**New York Governor George Pataki (R) recently signed an executive order updating his state’s Energy Conservation Construction Code.** The 2002 code will incorporate updated technologies and provide enhanced energy conservation requirements for buildings to promote construction practices that are energy efficient and environmentally sound. This new code is also expected to save New York energy consumers up to \$80 million dollars per year in energy costs. (Source: *Environment News Service*, July 24, 2001)

Through a recent order commissioned by the Massachusetts Department of Telecommunications and Energy, the **Massachusetts Electric Company implemented a program for the exchange of information between energy default service suppliers and customers.** The “New Choices” program will provide customers with the option to buy competitively priced power from a handful of participating

suppliers. Massachusetts Electric has recruited suppliers who agree to make competitive offers to customers on default service. For further information on the program, visit the company's website at [www.masselectric.com](http://www.masselectric.com). (Source: *Business Wire*, July 2, 2001)

**Rhode Island electric customers will benefit from over \$500,000 for green power purchases available from the Rhode Island Renewable Energy Collaborative.** The funds are available specifically to government agencies and other large institutions and can be used for a variety of green power purchase incentives and rebates. In addition, the Collaborative has allocated \$1.25 million for the development of renewable projects in New England that might benefit customers in Rhode Island. (Source: *Green Power Network*, July 3, 2001)

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## CHICAGO REGION

No activities of interest.

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## DENVER REGION

### ► *General State Activities*

**U.S. Representative J.C. Watts (R/OK) is proposing tax credit legislation that will benefit purchasers of wind turbines.** Although a wind turbine ranges in cost from \$32,000 to \$35,000, the tax credit toward a purchase will attract more customers, thereby increasing demand and resulting in a drop in costs. Bergey Windpower President Mike Bergey commented "We have a huge market if we can make the numbers work for average homeowners. Who wouldn't want to have a \$5-a-month utility bill?" Representative Watts is pushing to get the tax credit passed by the end of the fiscal year. (Source: *The Daily Oklahoman Knight*, July 9, 2001)

### ► *Status of Utility-Related Activities*

**Moving the start date for the third time, the Texas Public Utility Commission has delayed the state's electric choice pilot program to July 31.** More testing of the computer system designed to transfer accounts from one supplier to another is needed. Tom Noel, ERCOT CEO, commented of the delay, "This additional time will assure us that our systems are operating reliably and provide all market participants more opportunities to verify that their own systems are ready to mesh with those of ERCOT." By mid-July, 84,434 customers had enrolled in the pilot program. (Source: *Fort Worth Star-Telegram*, July 6, 2001)

**The Montana Public Service Commission voted to continue regulatory authority over Montana Power Company's electric rates** despite plans to unfreeze rates in 2002. (Source: *Electricity Daily*, July 3, 2001)

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## PHILADELPHIA REGION

### ► *General State Activities*

The Pennsylvania Office of Consumer Advocates reports that **between April 1 and July 1, the number of Pennsylvania customers buying from alternative suppliers has dropped by 25 percent.** A similar trend has been experienced nationally, as commercial and industrial consumers have largely switched

back to their default supplier because of spiking wholesale prices. (Source: *Pittsburgh Post-Gazette*, July 4, 2001)

► *Status of Utility-Related Activities*

**The District of Columbia City Council is debating whether or not to aggregate its residential and small business consumers to create a single purchasing pool for electricity.** The idea is that the DC government could negotiate better prices for the consumers when Washington deregulates in 2005. Opponents say there is great risk in pursuing this option. Another hurdle is that the present law requires that customers must “opt in” voluntarily. The purchasing pool will require that the approach be reversed and that customers be automatically included. Angel M. Cartegna, Jr., head of the DC Public Service Commission, is against the measure claiming “Do we really want to have an entire city in an aggregation pool without its permission and give people the responsibility of getting out of it?” (Source: *Washington Post*, July 2, 2001)

The PA Consulting Group recently conducted an analysis of the Pennsylvania-New Jersey-Maryland (PJM) market model to bring to light elements of a successful electric power restructuring plan. The report states that the **success of PJM has been the result of “the development and implementation of sophisticated market pricing and congestion management techniques, as well as leading-edge market interface software applications, while working within a practical framework of building a successful market structure in a considered step by step process.”** Phillip G. Harris, president and CEO of PJM, lauded the market model and noted that it “provides a blueprint for a working competitive marketplace that has been refined during four years of successful operation.” (Source: *PRNewswire*, July 2, 2001)

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## **SEATTLE REGION**

► *General State Activities*

**Seattle Mayor Paul Schell recently announced that his city will support the Kyoto Protocol** and commit to meeting its greenhouse gas emissions targets. Mayor Schell’s policy commits the city’s public electric utility to zero net greenhouse gas emissions, marking the first time a major utility in the U.S. has aimed for this target. Mayor Schell also urged other local governments to adopt their own policies to fight global warming. (Source: *Environment News Service*, July 24, 2001)

► *The State of California used 12.3 percent less energy in June of this year compared to June of 2000.*

Notably, residents reduced their use even more during peak periods (14.1 percent). Governor Gray Davis’ (D) energy advisors believe that the reduction in use can be attributed to his conservation plan of encouraging residents to cut their energy use by 10 percent. The California Energy Commission conducted the research. (Source: *Greenwire*, July 2, 2001)

**The State of Oregon has passed two laws establishing renewable energy tax credits.** The first offers credit for businesses that invest in recycling projects, cleaner transportation fuels, renewable energy and/or energy conservation. The second extends the alternative energy system property tax exemption program until 2012. (Source: Center for a Sustainable Economy, July 3, 2001)

**Oregon Governor John Kitzhaber (D) is examining a bill that would restrict large electric customers from retail shopping until March 2002,** postponing the date from October 1 of this year. If passed, the bill would allow a winter heating charge to be assessed on customer bills beginning October 1. (Source: *Electricity Daily*, July 9, 2001)

**The Public Power Renewable Action Team, a collaboration of municipal utilities in the State of California, will receive \$6 million dollars in funds earmarked for developing renewable-based electric generation projects that will “reduce risk and stabilize electric system costs.”** Other initiatives include developing a model for joint-ownership of renewable energy projects and leveraging Federal and state renewable energy project technical assistance development. Although the team is composed of representatives from California utilities, the group hopes to expand and network with public power agencies in other states. For further information, consult [www.resource-solutions.org/CRSprograms/publicppreat.html](http://www.resource-solutions.org/CRSprograms/publicppreat.html).

**The Sacramento Municipal Utilities District will install 100 kilowatts of photovoltaic roofing on parking shade structures in the Sacramento area.** The UNI-SOLAR building-integrated photovoltaic (BIPV) roofing project was lauded by the Chairman and CEO of United Solar as “showcas[ing] the versatility of our building – integrated photovoltaic products to address the California energy crisis and brings us one step closer to turning all roofs into clean power generators.” (Source: *PR Newswire*, July 9, 2001)

#### ► *Status of Utility-Related Activities*

**The California State Senate approved a bill that will provide Southern California Edison (SCE) with the opportunity to issue \$2.5 billion in bonds to help recover its accumulated debt.** The \$2.5 million is significantly less than SCE hoped and approximately \$1 billion short of the funds needed to cover their loss. Bonds distributed by SCE would be allocated to pay back financial institutions and “qualifying facilities” such as alternative energy companies that were denied payment for their services earlier this year. The plan also calls for SCE to offer the State of California a five-year option to purchase its transmission lines at a price of \$1.2 billion, rather than the \$2.76 billion proposed in the April Memorandum of Understanding signed by Governor Davis. SCE CEO Ted Craver is not pleased with the bill, claiming “In our opinion, it would not accomplish the goal of returning the utility to creditworthiness.” On August 15, the Memorandum of Understanding signed between the Governor and SCE expires. (Source: *Reuters*, July 20, 2001)

**Utilities accused of manipulating California energy market prices have offered a settlement of \$716.1 million, which is barely one tenth of the \$8.9 billion that the State of California is seeking.** Judge Curtis Wagner has separated the claims of Pacific Northwest utilities from those of the California utilities, stating he “may very well recommend further negotiations with a settlement judge because they [those utilities located outside of California] have not really had their day in court.” He plans on fast-tracking investigations of their \$1-2 billion dollars in overpayment claims. Although out-of-state suppliers are receiving most of the criticism for price gouging, many utilities located in the Pacific Northwest are being investigated for similar misconduct. These include Avista Energy, PPL Montana, Chelan County Public Utility District, Grant County Public Utility District, Idaho Power, Puget Sound Energy, and B.C. Hydro. (Source: *Electricity Daily*, July 12, 2001)

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## **UTILITIES AND SUPPLIER ACTIVITIES**

### **GENERAL ANNOUNCEMENTS**

**Enron Corporation is discussing pulling out of the wind power market by the end of this year.** Although the company holds over six percent of the world’s total installed wind power capacity, Enron will shift its focus into trading and marketing. (Source: *LCG Consulting*, July 5, 2001)

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## ATLANTA REGION

### ► *Restructuring Activities*

**Plans to build merchant power plants are beginning to unfold at sites throughout the State of Florida, as energy suppliers are taking the gamble that Florida will deregulate the electric market.** Although existing utilities believe they can generate enough supply to provide for the entire Florida market, merchant power plants argue that they can build facilities that will provide energy “cheaper and more efficiently than the state’s existing inventory of plants, which average 27 years of service.” (Source: *The Bradenton Herald*, July 11, 2001)

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## BOSTON REGION

No activities of interest.

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## CHICAGO REGION

### ► *Public Benefits Programs*

**PSI Energy, which provides power services for customers in Indiana, has petitioned the Indiana Utility Regulatory Commission to permit customers to contribute \$1 per utility bill for a “Green Power Fund.”** Proceeds from the collection will be used to purchase power from renewable sources like landfill gas, hydro, wind, and solar applications. (Source: *Green Power Network*, July 3, 2001)

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## DENVER REGION

### ► *Restructuring Activities*

**American Electric Power has plans to ramp up its Trent Mesa Project’s wind energy generation to provide enough alternative generation to power 35,000 homes.** Power delivery is expected to begin this fall to customers of TXU Corporation in Texas. TXU vice president Charles Jenkins noted “TXU has contracted to provide 382 megawatts, more than twice the amount of renewable energy required under the Texas Electric Choice Act.” For more information about the Trent Mesa Project, visit [www.trentmesa.com](http://www.trentmesa.com).

### ► *Public Benefits Programs*

**Customers of the Idaho Power Company now have the option to contribute a fixed amount with their monthly utility bill to support the development of renewable power.** The program will receive power from the Bonneville Environmental Foundation through customer contributions. (Source: *Green Power Network*, July 3, 2001)

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## PHILADELPHIA REGION

### ► *Public Benefits Programs*

*Duquesne Light Company has launched a new Demand Side Response program that will alert customers during peak energy periods. Customers will be able to calculate their savings and respond within 24 hours if they choose to reduce their load. Program developers say that the program is risk-free for the customer and the generation supplier, Orion Power Midwest, can benefit because it will not be required to purchase power on the spot market. Joe Frank of Duquesne Light said that “[the company’s] prices are holding steady, and we have an ample supply of electricity... [and] through our Demand Side Response initiative and other conservation programs. Our customers can control their cost of energy and also play an important role in ensuring continued access to affordable power.” (Source: PR Newswire, July 23, 2001)*

**The Ohio Consumers’ Counsel (OCC) has announced a publication entitled “Energy Efficiency: Another Smart Electric Choice,” which will inform consumers about practical tips on saving energy.** Robert Tongren, a representative of the OCC, noted that the tips were valuable especially in the summer when peak loads occur and prices are inflated. Tongren noted “Energy efficiency can reduce a consumer’s utility bill sometimes by as much as 50 percent.... While Ohio is in no immediate danger of electricity shortages, efficiency steps taken now can help avoid future supply problems.” The OCC and the Ohio Department of Development’s Office of Energy Efficiency have formed a partnership that will sponsor presentations on energy efficiency to groups of 35+ people. To arrange a presentation, call 1-877-PICK-OCC. (Source: PR Newswire, July 11, 2001)

**GPU Energy has announced its support for distributed energy resources after the Consumer Energy Council of America outlined its “blueprint for bringing distributed energy resources into the mainstream of the electric industry as a key energy solution for the future.”** The President of GPU Energy, Michael J. Chessler, voiced his support and interest in developing short- and long-term distributed energy alternatives to customers through equity investments and partnerships. (Source: Business Wire, July 18, 2001)

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## SEATTLE REGION

### ► *Restructuring Activities*

**Southern California Edison (SCE) will pay renewable generators for their overdue power charges. SCE has agreed to pay 5.37 cents per KWH for the next five years.** The settlement, facilitated by California Governor Gray Davis’ office, will end future possible legal action against SCE. SCE believes that the Memorandum of Understanding will “eliminat[e] some of the price volatility that has plagued California’s energy markets during the current crisis.” (Source: Edison International Investor Relations News, June 19, 2001)

**On June 26, the Edison Mission Energy company fired up the first major power plant built in 13 years in the State of California.** Although the plant will only operate as a “peaker plant” for the first two years of operation, it is hailed as a “significant turn” in California’s energy policy. (Source: Greenwire, June 26, 2001)

### ► *Public Benefits Programs*

**The Puget Sound Energy (PSE) company would like to ramp up the potential total kilowatt savings from 5.5 cents to 6 cents saved per kilowatt hour.** PSE president Tim Hogan noted “We want customers’ financial reward for conserving energy to rise as the cost of power goes up. At the



same time, we need to make sure the program's costs don't exceed the overall benefits to all our customers when the wholesale price of power is low." With the PSE-endorsed changes in the program, the credit rate will be recalculated each month. While the program ends in December of this year, it has already saved customers a total of \$3.5 million. (Source: *Business Wire*, July 16, 2001)

**The Bonneville Power Administration has preliminarily approved seven wind power proposals with a combined generation capacity of 830 megawatts.** Almost 270,000 homes will be powered by the wind-generated electricity. Final approval is contingent on an environmental impact assessment. The wind power generation will cost less than \$30 per megawatt hour. (Source: *Green Power Network*, July 3, 2001)

**The Bonneville Power Administration will increase wholesale electric rates by 46 percent as of October 1, 2001.** The rate is actually good for customers because it prevents the loss of approximately 25,000 jobs and saves BPA's utility customers \$4 billion a year. The rate hike is much lower than previously forecast due to the energy conservation efforts by industrial and utility customers. (Source: *Greenwire*, July 3, 2001)

Southern California Gas Company is offering substantial rebate programs for renewable technologies, fuel cells, microturbines, and other applications for large residential and business customers. **Over \$13.6 million in funds are now available to customers who build onsite generation or assemble energy saving technologies.** Fuel cell applications can receive up to \$2.50 per megawatt, and photovoltaics or wind turbines can receive up to \$4.50 per megawatt. The initiative was created through a directive by the California State Assembly *Bill 970*, which targets \$125 million per year for the Self-Generation Incentive Program. The program will operate until December 31, 2004. For a program application, call 1-800-Gas-200 or go to [www.socalgas.com](http://www.socalgas.com).

**Southern California Edison is offering free energy efficiency classes for business.** Examples of the classes available from the Customer Technology Application Center are: Commercial/Industrial Lighting, Lighting, Ballasts and Controls, Package Unit Heating Ventilation and Air Conditioning, Energy-Efficient Refrigeration, and Energy Management Systems. For a complete listing of the courses and for more detailed information, visit [www.sce.com/ctac](http://www.sce.com/ctac).

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## **ALTERNATIVE FUELS AND VEHICLES**

### **GENERAL ANNOUNCEMENTS**

**The National Park Service intends to fund a nationwide transportation planning and implementation project to evaluate the transportation needs of individual national parks.** The project seeks to identify alternative transportation systems and strategies to improve park management and achieve National Park Service mission and objectives. **Clean fuels and alternative fuel technologies** and implementation strategies is one of the options that will be examined. For further information, contact Terry Lang at 303-969-2961; refer to Solicitation Number 1443C2000011400.

**The language of a National Academy of Sciences panel report on automobile fuel economy has been toned down from the original leaked version published in the *New York Times* on July 17.** Among the changes include an increase in the number of years needed to increase vehicle fuel efficiency. The revised draft states that it will take ten to twelve years instead of six to ten. The final report was scheduled for a July 30 release. (Source: *Greenwire*, July 27, 2001; *New York Times*, July 27, 2001)

**New features have been added to the Federal Government's fuel economy website, a collaboration between DOE and EPA.** Located at [www.fueleconomy.gov](http://www.fueleconomy.gov), the website now includes information on

national and regional fuel prices, vehicle safety ratings, and air pollution. The new features were a collaboration between DOE and EPA as well as the Department of Transportation and other industry partners.

**The American Solar Challenge, the longest solar car race in the world, took place July 15-21. Teams from around the world competed to build and race the fastest solar-powered car from Chicago, Illinois, to Claremont, California.** Twenty-eight teams finished the 2,300-mile race, which took place along historic Route 66. DOE, the National Renewable Energy Laboratory, EDS, and Terion Inc. sponsored the race. (Source: *EREN News Network*, July 18, 2001; [formulasun.org/asc](http://formulasun.org/asc); *The Daily Grist*, July 26, 2001)

## **CLEAN CITIES UPDATE**

**On June 25, the Vermont Clean Vehicles Coalition became the 82<sup>nd</sup> member DOE's Clean Cities Program.** Partners in the Vermont Coalition include EVermont, a non-profit organization; the Vermont Agency of Transportation; Vermont Agency of Natural Resources; Vermont Department of Public Service; City of Burlington; Burlington Electric Company; Vermont Gas Systems; Green Mountain Power; American Lung Association of Vermont; Koffee Kup Bakery; Schwans Sales Enterprises; University of Vermont; and Middlebury College. (Source: *DOE Headquarters' Press Releases*, June 25, 2001)

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## **ATLANTA REGION**

No activities of interest.

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## **BOSTON REGION**

### **General Announcements**

**In a recent test drive, Electric Fuel Corporation's all-electric transit bus traveled 97 miles under normal driving conditions, reaching a significant milestone under Phase II of Electric Fuel Corporation's Zinc-Air All Electric Transit Bus Program with the Federal Transit Administration.** The test drive took place on a track at Schenectady County Airport in New York State. The 40-foot bus is designed as a zero emission vehicle to help reduce pollution in central cities. (Source: *CALSTART News Notes*, July 9, 2001; *Green Energy News*, July 9, 2001.)

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## **CHICAGO REGION**

No activities of interest.

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## **DENVER REGION**

No activities of interest.

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## PHILADELPHIA REGION

### General Announcements

**The New Jersey State Department of Transportation awarded New Jersey's Division of Energy \$500,000 to establish an Alternative Fuel Vehicle (AFV) rebate program.** Eligible costs include purchasing an AVF instead of a traditionally fueled vehicle and the cost of converting a vehicle to run on alternative fuels. Those eligible to apply include municipalities, counties, state colleges and universities, Boards of Education, and governmental authorities. For more information, view funding opportunities at the Center of Excellence for Sustainable Development at [www.sustainable.doe.gov](http://www.sustainable.doe.gov) or visit the New Jersey Board of Public Utilities website at [www.bpu.state.nj.us](http://www.bpu.state.nj.us).

### AFV Fleet Acquisitions

**In June the Washington, DC, Metropolitan Area Transit Authority (WMATA) ordered 100 natural gas buses.** Manufactured by Cummings Inc. and Westport Innovations, the natural gas buses should be delivered in January 2002. WMATA currently operates a fleet of 1,500 diesel buses. (Source: *Greenwire*, June 20, 2001)

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## SEATTLE REGION

### General Announcements

**The California Air Resource Board (CARB) adjusted the formula for California's Zero Emission Vehicle (ZEV) mandate.** In order to determine how many "pure" electric vehicles each automaker would have to sell, CARB has taken into account the percentage of vehicle sales of smaller companies owned by larger companies. For example, because Ford owns Jaguar and Volvo and a share of Mazda, the company will be required to build as many as 165 additional "pure" EVs and 953 advanced technology, partial zero emission vehicles. The ZEV mandate takes effect in 2003; the new formula will go into effect in 2010. (Source: *CALSTART News Notes*, July 9, 2001)

### AFV Fleet Acquisitions

**On June 23, 16 new natural gas-powered buses were unveiled at Hearst Castle® in California, making it the first California state park to operate a fleet comprised entirely of natural gas buses.** The purchase was made possible through a partnership among Hearst Castle®, California State Parks, San Luis Obispo Air Pollution Control District, the California Energy Commission, and Southern California Gas Company. **To fuel these vehicles, Southern California Gas Company installed a gas service line so that natural gas could be delivered to the new refueling station located at Hearst Castle®.** (Source: *Environmental News Network*, June 21, 2001)

**On July 10, EPA Administrator Christine Whitman announced a new program to bring cleaner diesel into the Puget Sound region.** The program aims to accelerate the introduction of ultra-low sulfur fuel into the region. Known as Diesel Solutions, the program is a voluntary public private partnership of the Puget Sound Clean Air Agency, King County, the City of Seattle, U.S. EPA, and other local agencies. The program involves switching public and private vehicles to ultra-low sulfur fuels as well as retrofitting a number of vehicles with new hardware. Fifty percent of government vehicles and 30 percent of large commercial fleets in the area are involved. (Source: *CALSTART News Notes*, July 23, 2001; *Puget Sound Clean Air Agency Press Release*, July 10, 2001; *Diesel Technology Forum Press Release*, July 10, 2001)

## Infrastructure Activities

**American Honda Corporation opened the first hydrogen refueling station in Los Angeles this month.** The station uses solar power to extract hydrogen from water; the extracted hydrogen is then pumped into a storage tanks. (Source: [www.ccities.doe.gov/whats\\_new.shtml](http://www.ccities.doe.gov/whats_new.shtml))

## New Products and Services

**Colorado-based Standard Alcohol of America (SACA) has developed an alternative alcohol fuel called Envirolene.** According to SACA, on average, a ten percent blend of Envirolene and gasoline will eliminate twice the amount of emissions as gasoline blended with ethanol. Another benefit of Envirolene is that it has a Reid vapor value similar to gasoline of 6.4; this is important for engine performance. (Source: *CALSTART News Notes*, July 9, 2001)

**As part of an antipollution pilot project in California, the City of Anaheim is offering free use of electric cars to low income residents to run local errands.** Referred to as neighborhood electric vehicles, these electric cars reach a maximum speed of 35 miles per hour, making them suitable for local trips. (Source: *Daily Grist*, July 25, 2001; *Los Angeles Times*, July 24, 2001)

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# **ENERGY MANAGEMENT TOOLS AND TECHNOLOGY**

➤ See also [Attachment F](#), *New Technologies*.

## GENERAL ANNOUNCEMENTS

**Philips Lighting Company has outfitted an entire city block in Berkeley, California, with energy efficient light bulbs.** The project was undertaken to highlight Philips's compact fluorescent light technology. For more information, contact Steve Goldmacher at (732) 563-3039 or [steve.goldmacher@philips.com](mailto:steve.goldmacher@philips.com).

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## SOFTWARE AND TECHNICAL ASSISTANCE TOOLS

**Lawrence Berkeley National Laboratory has relaunched its website at [energycrisis.lbl.gov](http://energycrisis.lbl.gov).** The new site will show California's electricity supply-and-demand situation updated every minute.

**Seattle Public Utilities and Seattle City Light have installed SCT's Banner Customer Management Solution.** The two services can now work together to plan new electricity infrastructure, and customers can view their account information online. For more information, see [www.sct.com/industrysolutions/utilities](http://www.sct.com/industrysolutions/utilities).

**The World Resources Institute's new web site contains articles, maps, tables, and a database relating to environment and sustainable development issues.** The site is at [www.earthtrends.wri.org](http://www.earthtrends.wri.org).

**San Diego Gas and Electric has launched a web site containing information on the black-out status in its area.** The new site, [blackoutstatus.sdge.com](http://blackoutstatus.sdge.com), will help customers predict when they will experience black-outs.

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# **MEETINGS, CONFERENCES, AND TRAINING** **WORKSHOPS**

- Refer to [Attachment G](#) – Calendar of Upcoming Events.

## **GENERAL ANNOUNCEMENTS**

**The Association of Energy Engineers is sponsoring the training course Fundamentals of Buying and Selling Energy.** The course will be held in Cleveland on August 27-29; Washington, DC, on September 12-14; Detroit on October 3-5; Albuquerque on November 7-9; and Orlando on November 27-29. Relevant topics include legislation, regulation, and outlook; natural gas industry structure; real time pricing; and energy trading. For more information, see [www.aeecenter.org](http://www.aeecenter.org).

**On July 19 Planalytics Energy is hosting a free webcast from 3-4 EST to promote Weathernomics Gas Buyer, a web-based risk management tool for purchasing and hedging natural gas.** The tool can help companies determine how weather will impact future natural gas consumption, inventory levels, and prices. For more information, visit [www.planalytics.com/energy](http://www.planalytics.com/energy).

**The Association of Energy Engineers is also sponsoring the program DDC Open Systems: A Consumer's Guide to BACnet, LonWorks, and Network Standards.** The seminar will be held in Washington, DC, on September 20-21; Orlando on November 27-28; and New Orleans on December 6-7. The course will train buildings professionals how to understand and use open networking systems to control HVAC. For more information, see [www.aeecenter.org](http://www.aeecenter.org).

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## **ATLANTA REGION**

**The 2001 World Energy Engineering Congress Conference & Expo will be held October 24-26 in Atlanta.** The conference will highlight the latest market trends in the energy engineering industry, new equipment options, policy and regulation changes, and new business methods for energy efficiency and facility management improvement. Co-located at the site will be the **Plant & Facilities Expo**, designed to update facility managers on new technologies and equipment, and the **GeoExchange Conference**, which will address all aspects of geothermal heat pump applications for commercial buildings and facilities. For more information, see [www.aeecenter.org/Shows](http://www.aeecenter.org/Shows).

**The National Association of Energy Service Companies is hosting a Distributed Generation Conference on November 6 and its 18<sup>th</sup> Annual Conference from November 7-9 in Miami, FL.** For a conference brochure, go to [www.naesco.org/conference.htm](http://www.naesco.org/conference.htm).

**The Association of Energy Engineers is sponsoring the Business Energy Solutions Conference & Expo from November 28-29 in Orlando, FL.** The conference is designed to aid facility managers and energy engineers in lowering energy costs while improving the overall operation of their facilities. For more information, go to [www.aeecenter.org/Shows](http://www.aeecenter.org/Shows).

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## **BOSTON REGION**

**The 2001 Annual Meeting of the National Association of State Energy Officials is scheduled for September 16-19 in Portland, ME.** Agenda items include national energy legislation, Federal energy

policy, transportation, and energy efficient affordable housing, among others. See [www.naseo.org](http://www.naseo.org) for more information.

**The Cogeneration and Competitive Power Institute of the Association of Energy Engineers is sponsoring a Distributed Generation seminar on October 4-5 in Boston, MA.** The seminar will focus on the growing market for distributed generation and its supporting technologies. For details go to [www.aeecenter.org](http://www.aeecenter.org)

**On October 16-17 the New Jersey Department of Environmental Protection and the New Jersey Corporation for Advanced Technology are sponsoring the Energy & Environmental Technologies Conference in Atlantic City, NJ.** The conference is dedicated to identifying and exploring environmentally friendly solutions to today's energy challenges. Go to [www.eetech.org](http://www.eetech.org) for more information.

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## **CHICAGO REGION**

**The Integrated Energy Efficiency Congress will take place August 29-30 in Cleveland, OH.** Topics at the Association of Energy Engineers-sponsored conference include deregulation, cogeneration and distributed generation, reducing energy costs, and **Federal energy management**. For more information, go to [www.aeecenter.org](http://www.aeecenter.org).

**The Electric Power 2002 Conference & Exhibition is scheduled for March 19-21, 2002, in St. Louis, MO.** This conference is designed to provide a forum to address the needs and concerns of managers and engineers from power generating companies. See [www.electricpowerexpo.com](http://www.electricpowerexpo.com) for more information.

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## **DENVER REGION**

**The Center for Business Intelligence is sponsoring Distributed Generation: The Cost-Effective Solution to Improve Reliability and Power Quality, Meet Customers' Needs, and Ease the Burden on Constrained T&D Systems conference on September 24-25 in Denver, CO.** Attendees are also invited to participate in a pre-conference workshop on fuels cells, microturbines, and reciprocating engines. For more information, see [www.cbinet.com](http://www.cbinet.com).

**On December 5-7, the Fourth Annual Interactive Energy 2001 conference will be held in Houston, TX.** The conference will bring together energy and IT industries to examine the latest technologies, business solutions, standards and trends and how energy companies are using IT to redraw the lines of competition. Go to [www.interactiveenergy.com/2001](http://www.interactiveenergy.com/2001) for details.

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## **PHILADELPHIA REGION**

**The 2001 Environmental Innovations Summit will be held September 10-13 in Washington, DC.** Speakers include EPA Administrator Christine Todd Whitman and DOE Secretary Spencer Abraham. Topics include innovative regulating and permitting, environmental management, performance measuring, communications, contracting for energy efficiency, and environmental technologies. Contact Christian Dunn of the Environmental Performance Institute at [dunn@performanceweb.org](mailto:dunn@performanceweb.org) or (703) 519-6270.

**The Strategic Research Institute is hosting the conference Deregulation: Curse or Cure? In Philadelphia on September 24-25.** Topics will include policy and structural issues, demand-side

management and load options, customer issues, technology issues, and cash flow. For more information or to register online, go to [www.srinstitute.com/cr025](http://www.srinstitute.com/cr025).

**The Environmental Protection Agency and the Department of Energy will host Labs for the 21<sup>st</sup> Century from October 2-4 in Washington, DC. Labs21 is dedicated to improving the environmental performance of U.S. laboratories by improving energy and water efficiency, encouraging the use of renewable energy sources, and promoting stewardship of the environment. For more information, see [www.epa.gov/labs21century](http://www.epa.gov/labs21century).**

**The National Facilities Management and Technology Conference & Exposition is March 6-8, 2002, in Baltimore, MD.** The event is dedicated to the facility management and engineering marketplace and is the largest annual gathering of this market's suppliers and decision makers. For more information, go to [www.nfmt.com](http://www.nfmt.com).

**The Association of Energy Engineers is sponsoring the 2002 Globalcon Energy/Facilities Management & Exposition on March 27-28, 2002, in Philadelphia, PA.** The theme of the conference is "Energy & Facility Management Strategies & Technologies." Go to [www.aeecenter.org/Shows](http://www.aeecenter.org/Shows) for more information.

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## **SEATTLE REGION**

**The Oregon Sustainability Forum: What's Working? What's Not? What's Next? is being held by Sustainable Northwest in Portland, OR, on September 5-7.** The concentration of the conference is on tools and strategies for sustainability initiatives. For more information, see [www.sustainablenorthwest.org/soc/sofindex.htm](http://www.sustainablenorthwest.org/soc/sofindex.htm).

**The Association of Facilities Engineering is sponsoring Facilities America 2001 in Las Vegas, NV, on September 25-27.** The new exhibition is specifically dedicated to the management and maintenance of plants and facilities. For more details, go to [www.facilitiesamerica.com](http://www.facilitiesamerica.com).

**Power Engineering Magazine will host the POWER-GEN conference in Las Vegas, NV, on December 11-13.** The conference will focus on power plant development, new information and techniques, and the optimization of existing facilities. Go to [http://pe.pennet.com/Events/pe/powergenint1\\_2001/pe\\_pgen2001\\_main.cfm](http://pe.pennet.com/Events/pe/powergenint1_2001/pe_pgen2001_main.cfm) for more details.

**The Center for Business Intelligence is holding its conference Reducing Your Energy Costs on January 28-29, 2002, in New Orleans.** Workshops include Freedom from the Grid, How to Manage Your Risk, Reducing What You Pay, Reducing Your Load, and others. For more information, see [www.cbinet.com](http://www.cbinet.com).

**The Association of Energy Engineers is co-sponsoring the West Coast Energy Management Congress in June 6-7, 2002, in Anaheim, CA.** The conference will help attendees gain insight into the direction of the energy market and how the latest technologies can reduce costs and improve operations and productivity. Go to [www.aeecenter.org/shows](http://www.aeecenter.org/shows) for more information.

**The American Solar Energy Society is hosting Solar 2002 from June 15-20, 2002, in Reno, NV.** The theme of the conference is "Sunrise on the Reliable Energy Economy." For more information, go to [www.solarenergyforum.org](http://www.solarenergyforum.org).

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## INTERNATIONAL

**The American Institute of Building Design is hosting its 51<sup>st</sup> Annual Convention in Montreal, Canada, from August 8-12.** The conference is intended as a marketplace for custom residential and light commercial building designers to exchange information and ideas. For details, see [www.aibd.org](http://www.aibd.org).

**The MTEE-21: International Symposium on the Management and Technology of Energy and Environment will take place this year on December 7-8 in Vancouver, British Columbia, Canada.** The symposium will address energy, environmental management, and technology issues and allow executives and professionals to exchange ideas. For more details, go to [www.iceee.org](http://www.iceee.org).

**The GLOBE Foundation of Canada is sponsoring GLOBE 2002 – the 7<sup>th</sup> International Conference and Trade Fair on the Business of the Environment on March 13-15, 2002, in Vancouver, Canada.** This year's conference will feature discussions on how major developments in energy policy and sustainable development can lead to technology solutions and business opportunities. For details, go to [www.environmental-center.com/events/globe2002/globe2002.htm](http://www.environmental-center.com/events/globe2002/globe2002.htm).

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## STUDIES, REPORTS, AND ANALYSES

### ENERGY AND WATER CONSERVATION

***Energy Research at DOE: Was It Worth It?, National Academy of Sciences (NAS), July 17, 2001.***

**With regard to the energy efficiency programs, NAS found that:**

1. The programs made contributions exceeding their costs in all but one case (Stirling engine research).
2. The various management and institutional structures (public-private consortia, peer and administrative reviews, partnering with small inventors, etc.) at DOE helped move the programs forward.
3. Also helpful was integrating R&D with other policy and marketing activities (like codes and standards).
4. More emphasis on “directed exploratory” research is needed.
5. The different approaches taken for the Office of Buildings Technology, the Office of Industrial Technology, and the Office of Transportation Technology were necessary and advantageous.

NAS also made three recommendations:

1. Institute a consistent, rigorous, peer-reviewed evaluation system with firm decision dates for terminating or continuing each program.
2. Balance the R&D portfolio by using more policy mechanisms, government-industry consortia, and facilitation of market penetration.



3. Make the adoption of developed technology the explicit and central goal of each project. There are too many ad hoc efforts.

To read the entire report, go to [www.nap.edu/books/0309074487/html](http://www.nap.edu/books/0309074487/html).

***Energy Competition Strategy Report, Pavilion Technologies, July 3, 2001.***

The report concludes that energy optimization software helps boost profits. Pavilion's own software package was tested. The report also takes an in-depth look at the current state of the optimization technology market and its potential. For more information, call (800) 597-9500.

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## **UTILITY-RELATED ISSUES**

***Results of Studies Assessing High Electricity Prices in California, Government Accounting Office (GAO), June 29, 2001.***

The GAO concludes that FERC ignored obvious signs of excessive market power abuse in California. For more information, see [www.gao.gov](http://www.gao.gov).

***2000 State of the Market Report, PJM Interconnection, July 11, 2001.***

The market unit determined that the Pennsylvania-New Jersey-Maryland electric market was "reasonably competitive" in 2000. The report is mandated by FERC periodically. For a full copy, see [www.pjm.com](http://www.pjm.com).

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## **ECONOMIC ANALYSES**

***U.S. Infrastructure: Funding Trends and Federal Agencies' Investment Estimates, General Accounting Office (GAO), July 23, 2001.***

The report describes the Federal Government's role in ensuring a sound public infrastructure and explains the estimated future investment requirements of Federal agencies tasked with maintaining the public infrastructure. The agencies mentioned in the report include the Environmental Protection Agency, the Federal Aviation Administration, the Federal Highway Administration, the Federal Transit Administration, the General Services Administration, and the Army Corps of Engineers. For more information, see [www.gao.gov](http://www.gao.gov) for GAO Report 01-986T.

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## **CLIMATE CHANGE**

***Third Assessment Report of the Intergovernmental Panel on Climate Change (IPCC), Intergovernmental Panel on Climate Change, 2001.***

The IPCC report projects that by 2100 the global mean temperature will rise by 2.5 to 10.4 degrees Fahrenheit. For more information on climate change, visit the EPA Global Warming Site at [www.epa.gov/globalwarming](http://www.epa.gov/globalwarming).

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## MISCELLANEOUS

***Managing for Results: Using GPRA to Assist Oversight and Decisionmaking, General Accounting Office (GAO), June 19, 2001.***

GAO highlights how the *Government Performance and Results Act (GPRA)* can be used to help Congress in oversight, decisionmaking, and addressing the Federal Government's challenges in the 21<sup>st</sup> Century. *GPRA* can help the Federal Government understand its proper role and learn how it should do business by "linking results that the Federal Government seeks to achieve to the program approaches and resources that are necessary to achieve those results." GAO claims that *GPRA*'s results-oriented performance information can ultimately build a Federal Government that is better equipped to deliver economical, efficient, and effective programs to address its many challenges. For more information, see [www.gao.gov](http://www.gao.gov) for GAO Report 01-872T.

***Technology Transfer: DOE Has Fewer Partnerships, and They Rely More on Private Funding, General Accounting Office (GAO), July 2001.***

This report describes trends in the technology development partnerships used by DOE and private partners and the funding made available for each type of partnership. For more information, see [www.gao.gov](http://www.gao.gov) for GAO Report 01-568.

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# ATTACHMENT A

## STATUS OF FY 2002 APPROPRIATIONS BILLS

(In Billions)

### HOUSE

### SENATE

Jurisdiction/ FY 2002 Budget Request	302(b) Allocations/ Approved Funding Level	Bill No.	Full Cmte.	Floor	Conf.	302(b) Allocations/ Approved Funding Level	Bill No.	Full Cmte.	Floor	Conf.
Agriculture \$ 15.409	\$ 15.519 \$ 15.669	H.R. 2330	June 13	July 13		\$ 16.092 \$16.4	S. 1191	July 17	Week of July 30	
Commerce \$ 37.944	\$ 38.541 \$38.5	H.R. 2500	July 13	July 19		\$38.760 \$41.49	S. 1215	July 19	Week of July 30 or Sept- ember	
Defense \$300.962	\$300.292					\$298.568				
Energy and Water Development \$ 22.517	\$ 23.704 \$ 23.7	H.R. 2311	June 25	June 28		\$ 25.129 \$ 25.1	S. 1171	July 12	July 19	
Interior \$ 18,092	\$ 18.941 \$ 18.9	H.R. 2217	June 13	June 21		\$ 18.527 \$ 18.5	H.R. 2217	June 28	July 12	
Labor / HHS \$115.682	\$119.758					\$119.000				
Military Construction \$ 9.650	\$ 10.155					\$ 9.649				
Transportation \$ 14.891	\$ 14.893 \$ 14.9	H.R. 2299	June 20	June 26		\$ 15,579 \$ 15,579	S. 1178	July 12	On- going	
Treasury \$ 16.488	\$ 16.880 \$ 17,0	H.R. 2590	July 17	July 25		\$ 16.972		July 26		
VA/HUD \$ 83.683	\$ 84.159	H.R. 2620	July 17	On- going		\$ 84.053 \$ 84.05	S. 1216	July 19	Week of July 30	
Total 302(b) Allocations/ FY 2002 Budget Request \$658.792	\$661.300					\$661.300				

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# ATTACHMENT B

## NEW LEGISLATION OF INTEREST TO FEMP

### HOUSE

Number	Short title	Date	Sponsor	Status
<b>H.R. 2587</b>	<b><i>Energy Advancement and Conservation Act of 2001</i></b>	July 23	W.J. "Billy" Tauzin (R/LA) <i>Committee on Energy and Commerce, Chair; Committee on Resources</i>	<p>Referred to the Committees on Energy and Commerce, Ways and Means, Science, Transportation and Infrastructure, Budget, and Education and the Workforce.</p> <p>7/25/01 Approved, with amendment, by the Energy and Commerce Committee. <i>H. Rept. 107-162, Part I</i></p> <p>7/25/01 Discharged from Ways and Means, Science, Transportation, Budget, and Education and Workforce Committees</p> <p>Placed on Union Calendar, Calendar No 97.</p>
<div> <div>Key Provisions:</div> <div> <p><b>Reauthorizes Federal energy conservation programs. Establishes stricter standards for energy conservation in Federal facilities. Provides enhancement and extension of authority for Federal energy savings performance contracts and utility incentive programs. Establishes a Federal energy bank for energy efficiency, water conservation, and renewable energy projects. Includes amendments to state energy programs. Includes provisions for energy efficient consumer products, including the promotion of ENERGYSTAR<sup>®</sup> products and the incorporation of energy efficiency criteria into new construction and renovation products. Allows vehicles with only one occupant to operate in high efficiency vehicle lanes if the vehicles are hybrid vehicles. Establishes that Federal agencies review regulations to eliminate barriers to emerging energy-efficient technology such as fuel cells, combined heat and power, and distributed generation. Establishes average fuel economy standards for the Federal fleet of automobiles</b> including an increase in the average fuel economy of new Federal automobiles by three miles per gallon by September 30, 2005. Provides for a reduction in petroleum-based fuels for Federal light duty motor vehicles beginning in October 2003. <b>Establishes that ten percent of vehicles acquired by a Federal fleet shall be alternative fueled or hybrid vehicles by 2006.</b></p> </div> </div>				

# SENATE

Number	Short title	Date	Sponsor	Status
<b>S. 1211</b>	<b><i>Renewable Energy Production Incentive Act</i></b>	July 20	Maria Cantwell (D/WA) <i>Committee on Energy and Natural Resources; Subcommittees on Water and Power and Energy Research, Development, Production and Regulation.</i>	Referred to Committee on Energy and Natural Resources
	<b>Key Provisions:</b>	Reauthorizes and revises the Renewable Energy Production Incentive program.		
<b>S. 1212</b>	<b><i>Smart Metering Promotion Act of 2001</i></b>	July 20	Maria Cantwell (D/WA) <i>Committee on Energy and Natural Resources; Subcommittees on Water and Power and Energy Research, Development, Production and Regulation.</i>	Referred to Committee on Finance
	<b>Key Provisions:</b>	Amends the <i>Internal Revenue Code of 1986</i> to provide a credit for qualified energy management devices of up to 50 percent of the cost or \$30; provides a credit for retrofitted qualified meters of up to 50 percent of the adjusted basis of the meter or \$30.		
<b>S. 1213</b>	<b><i>Savings Through Energy Productivity Act (STEP Act)</i></b>	July 20	Maria Cantwell (D/WA) <i>Committee on Energy and Natural Resources; Subcommittees on Water and Power and Energy Research, Development, Production and Regulation.</i>	Referred to Committee on Energy and Natural Resources
	<b>Key Provisions:</b>	Establishes STEP Emergency Rebate Program to provide grants to eligible utilities for the payment of rebates or credits to consumers who reduce energy consumption. Eligible utilities are those that have increased rates an average of 20 percent or more (on or after January 1, 2000) to cover the cost of generating or acquiring electricity. Establishes a loan program to make loans to utilities and non-profit organizations to pay up to 100 percent of the cost of an energy productivity project.		

Number	Short title	Date	Sponsor	Status
<b>S. 1219</b>	<i>Providing Opportunities with Effluent Renewables (POWER) Act</i>	July 23	Charles Grassley (R/IA) <i>Committee on Budget;</i> <i>Committee on Finance, Ranking Minority Member</i>	Referred to Committee on Finance
<b>Key Provisions:</b> Amends <i>Internal Revenue Code of 1986</i> to qualify swine and bovine waste nutrients as a renewable energy resource for the renewable energy production credit.				

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# **ATTACHMENT C**

## **HEARINGS SCHEDULE**

### **HOUSE – APPROPRIATIONS**

<b>Date/Committee</b>	<b>Chair</b>	<b>Hearing Title/Issues</b>	<b>Witnesses</b>	<b>Time/Location</b>
<i>July 31</i> – Subcommittee on Military Construction <i>(NEW)</i>	David Hobson (R/OH)	<i>Hearing</i> – FY 2002 military construction budget overview	<u>Three panels to include:</u> Under Secretary of Defense, Deputy Under Secretary of Defense – Installations and Environment, Deputy Assistant Secretary of the Army – Installations and Housing, Assistant Chief of Staff for Installation Management, etc.	2:30 p.m. Room 138 Dirksen Office Building
<i>August 1</i> – Subcommittee on Military Construction <i>(NEW)</i>	David Hobson (R/OH)	<i>Hearing</i> – FY 2002 military construction budget overview for the Navy and Air Force	<u>Two panels to include:</u> Office of the Assistant Secretary of the Navy – Installations and Environment, Naval Facilities Engineering Command, Marine Corps – Installations and Logistics Facilities, Air Force – Installations, etc.	2:30 p.m. Room 138 Dirksen Office Building

### **HOUSE – AUTHORIZATIONS/OVERSIGHT**

<b>Date/Committee</b>	<b>Chair</b>	<b>Hearing Title/Issues</b>	<b>Witnesses</b>	<b>Time/Location</b>
<i>August 1</i> – Subcommittee on Economic Development, Public Buildings, and Emergency Management (Committee on Transportation and Infrastructure)	Steven LaTourette (R/OH)	<i>Hearing</i> – H.R. 2407 – <i>Federal Photovoltaic Utilization Act</i> (authorizes \$210 million in FY 2002 – FY 2006 for a pv energy commercialization program and \$52.7 million for a PV systems evaluation program in Federal facilities between FY 2002 and FY 2006)	TBA	2:00 p.m. Room 2253 Rayburn Office Building

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
<i>August 2</i> – Subcommittee on Energy Policy, natural Resources and Regulatory Affairs (Committee on Government Reform) <i>(NEW)</i>	Doug Ose (R/CA)	<i>Hearing</i> – Ability of the Federal Energy Regulatory Committee to “monitor” utility markets and reform opportunities to respond more effectively to power outages	TBA	9:30 a.m. Room 406 Dirksen Office Building
<i>August 3</i> – Committee on Energy and Commerce <i>(NEW)</i>	Billy Tauzin (R/LA)	<i>Hearing</i> – Reformulated gasoline	TBA	10:30 a.m. Room 2123 Rayburn Office Building

## HOUSE FLOOR ACTIVITY

Date	Action Item	Time/Location
<i>August 1 or 2 - Tentative</i> <i>(NEW)</i>	<i>Comprehensive energy legislation</i>	Time – TBA Capitol – House Chamber

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## SENATE – APPROPRIATIONS

*No new hearings or mark ups have been scheduled.*

## SENATE – AUTHORIZATIONS/OVERSIGHT

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
<i>August 1</i> – Committee on Energy and Natural Resources <i>(NEW)</i>	Jeff Bingaman (D/NM)	<i>Hearing</i> – <i>Comprehensive energy legislation</i>	TBA	9:30 a.m. Room 366 Dirksen Office Building
<i>August 2</i> – Committee on Energy and Natural Resources <i>(NEW)</i>	Jeff Bingaman (D/NM)	<i>Mark Up</i> – <i>Comprehensive energy legislation</i>	N/A	9:30 a.m. Room 366 Dirksen Office Building
<i>August 2</i> – Committee on Energy and Natural Resources <i>(NEW)</i>	Jeff Bingaman (D/NM)	<i>Joint Hearing</i> – National Academy of Science Fuel Economy report	TBA – Invited testimony from NAS staff and report panel	2:30 p.m. Room 216 Hart Office Building

## SENATE FLOOR ACTION

Date	Action Item	Time/Location
Week of July 30 ( <b>UPDATED</b> )	<b>Debate:</b> FY 2002 Appropriations for Agriculture, Rural Development, Food and Drug Administration and Related Agencies	Time – TBA Capitol – Senate Chamber
Week of July 30 or September ( <b>UPDATED</b> )	<b>Debate:</b> FY 2002 Appropriations for Commerce, Justice, State, and the Judiciary	Time – TBA Capitol – Senate Chamber
Week of July 30 ( <b>UPDATED</b> )	<b>Debate:</b> FY 2002 Appropriations for Transportation and Related Agencies	Time – TBA Capitol – Senate Chamber
Week of July 30 ( <b>UPDATED</b> )	<b>Debate:</b> FY 2002 Appropriations for Veterans' Affairs, Housing and Urban Development, and Independent Agencies (including Environmental Protection Agency)	Time – TBA Capitol – Senate Chamber

## SENATE – CONFIRMATION

*No confirmation hearings of interest have been scheduled.*

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## **ATTACHMENT F – NEW TECHNOLOGIES**

**For informational purposes only. Listing does not imply endorsement.**

<b>Technology</b>	<b>Manufacturer</b>	<b>Manufacturers Claim</b>	<b>Contact</b>
<b>Power Sources</b>			
<b>Polymer electrolyte membrane fuel cell stack</b>	Teledyne Technologies	“Highly efficient, quiet, and clean. . . devices that combine hydrogen and oxygen to produce electricity without combustion”	<a href="http://www.teledyne.com">www.teledyne.com</a>
<b>Chillers</b>			
<b>Solid state starter</b>	Softac Systems	Starting motor for chiller/HVAC systems to “reduce stress on drive components and extend motor life”	<a href="http://www.softacsys.com">www.softacsys.com</a>
<b>Lighting</b>			
<b>LED lamp</b>	Boca Flasher	“First LED’s on the market with a glass globe,” 100,000 hour life expectancy	<a href="http://www.bocaflasher.com">www.bocaflasher.com</a>
<b>CWA ballasts</b>	Robertson Worldwide	“Cooler running units and lower watt loss”	<a href="http://www.robertsonww.com">www.robertsonww.com</a>
<b>DMX-512 lighting controls</b>	Gilderfluke and Company	“DMX-512 can be used to control dimmers, moving lights, strobes or any other DMX-512 compatible equipment.”	<a href="http://www.gilderfluke.com">www.gilderfluke.com</a>
<b>Outdoor lighting fixtures</b>	MaxLite	Dusk-to-dawn operation with light sensor; 18 watt lamp replaces 40-60 watt bulbs; three year warranty	<a href="http://www.maxlite.com/sld002.htm">www.maxlite.com/sld002.htm</a>
<b>LED exit retrofit kit</b>	MaxLite	Each bulb is less than one watt	<a href="http://www.maxlite.com/sld009.htm">www.maxlite.com/sld009.htm</a>
<b>Screw-in LED lamps</b>	LEDtronics	Last 30-50 times as long as incandescents; power savings of 80-90 percent	<a href="http://www.led.net/pages/News78.htm">www.led.net/pages/News78.htm</a>
<b>Four channel dimmer</b>	X-10 USA	Controls lighting loads up to 2000W, and can be controlled remotely	<a href="http://www.x10.com">www.x10.com</a>
<b>Heaters</b>			
<b>Radiant tube heaters</b>	Gas-Fired Products, Inc.	80k to 250k BTU heaters that draw combustion exhaust through themselves to increase efficiency	P.O. Box 36485 Charlotte, NC 28236

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# **ATTACHMENT G**

## **MEETINGS, CONFERENCES, AND OTHER EVENTS**

NOTE: New events are highlighted in **blue**.  
DOE-sponsored events are highlighted in **red**.

### **ATLANTA REGION**

<b>DATE</b>	<b>EVENT</b>	<b>SPONSOR</b>
September 17-21, 2001	Fifth Biomass Conference of the Americas Orlando, FL	DOE, USDA, NREL, Natural Resources Canada
<b>October 24-26, 2001</b>	<b>2001 World Energy Engineering Congress Conference &amp; Expo Atlanta, GA</b>	<b>Association of Energy Engineers</b>
October 24-27, 2001	Excellence in Building 2001 Orlando, FL	Energy and Environmental Building Association
<b>November 6-9, 2001</b>	<b>Distributed Generation Conference and 18<sup>th</sup> Annual Conference Miami, FL</b>	<b>National Association of Energy Service Companies</b>
<b>November 28-29, 2001</b>	<b>Business Energy Solutions Conference &amp; Expo Orlando, FL</b>	<b>Association of Energy Engineers</b>

### **BOSTON REGION**

<b>DATE</b>	<b>EVENT</b>	<b>SPONSOR</b>
August 2-3, 2001	Centrifugal Pumps Buffalo, NY	National Technology Transfer, Inc.
<b>September 16-19, 2001</b>	<b>2001 NASEO Annual Meeting Portland, ME</b>	<b>National Association of State Energy Officials</b>
<b>October 4-5, 2001</b>	<b>Distributed Generation seminar Boston, MA</b>	<b>Association of Energy Engineers</b>
<b>October 16-17, 2001</b>	<b>Energy &amp; Environmental Technologies Conference Atlantic City, NJ</b>	<b>New Jersey Department of Environmental Protection New Jersey Corporation for Advanced Technology</b>

### **CHICAGO REGION**

<b>DATE</b>	<b>EVENT</b>	<b>SPONSOR</b>
August 13-14, 2001	Centrifugal Pumps Columbus, OH	National Technology Transfer, Inc.
August 21-22, 2001	Centrifugal Pumps Detroit, MI	National Technology Transfer, Inc.

DATE	EVENT	SPONSOR
August 27-27, 2001	Fundamentals in Lighting Efficiency Cleveland, OH	Association of Energy Engineers
August 29-30, 2001	Integrated Energy Efficiency Conference and Facilities Management and Maintenance Expo Cleveland, OH	Association of Energy Engineers
September 24-26, 2001	Powering the Future: New Strategies and Solutions for Deploying Distributed Power in the Marketplace Chicago, IL	Intertech USA
<b>March 19-21, 2002</b>	<b>Electric Power 2002 Conference &amp; Exhibition St. Louis, MO</b>	<b>Electric Power 2002</b>

### DENVER REGION

DATE	EVENT	SPONSOR
<b>August 20-23, 2001</b>	<b>6<sup>th</sup> Annual Pollution Prevention and Hazardous Waste Management Conference and Exhibition</b>	<b>Department of Defense</b>
September 11-14, 2001	17 <sup>th</sup> Annual Mobile Sources/Clean Air Conference Estes Park, CO	Colorado State University
September 24-25, 2001	Distributed Generation Denver, CO	Center for Business Intelligence
October 14-17, 2001	National Center for Photovoltaics Program Review Lakewood, CO	National Renewable Energy Laboratory, Sandia National Laboratory
<b>December 5-7, 2001</b>	<b>4<sup>th</sup> Annual Interactive Energy 2001 Conference</b>	<b>Interactive Energy 2001</b>

### PHILADELPHIA REGION

Date	Event	Sponsor
<b>August 6-10, 2001</b>	<b>Environmental Training Institute for Small Communities Morgantown, WV</b>	<b>National Environmental Training Institute</b>
August 15-16, 2001	Centrifugal Pumps Pittsburgh, PA	National Technology Transfer, Inc.
<b>September 10-13, 2001</b>	<b>Environmental Innovations Summit Washington, D.C.</b>	<b>Environmental Performance Institute</b>
<b>September 24-25, 2001</b>	<b>Deregulation: Curse or Cure? Philadelphia</b>	<b>Strategic Research Institute</b>

<b>Date</b>	<b>Event</b>	<b>Sponsor</b>
<b>October 2-4, 2001</b>	<b>Labs for the 21<sup>st</sup> Century Washington, D.C.</b>	<b>Environmental Protection Agency Department of Energy</b>
<b>March 6-8, 2002</b>	<b>National Facilities Management and Technology Conference &amp; Exposition Baltimore, MD</b>	<b>National Facilities Management and Technology Conference</b>
<b>March 27-28, 2002</b>	<b>Globalcon Energy/Facilities Management &amp; Exposition Philadelphia, PA</b>	<b>Association of Energy Engineers</b>

### **SEATTLE REGION**

<b>DATE</b>	<b>EVENT</b>	<b>SPONSOR</b>
<b>September 5-7</b>	<b>Oregon Sustainability Forum Portland, OR</b>	<b>Oregon Sustainability Forum</b>
<b>September 25-27</b>	<b>Facilities America 2001 Las Vegas, NV</b>	<b>Association of Facilities Engineering</b>
September 30- October 5, 2001	Photovoltaic Experience Conference Sacramento, CA	Solar Electric Power Association
October 4, 2001	UPEX '01: The Photovoltaic Conference and Exhibition Sacramento, CA	Solar Electric Power Association
December 10-12, 2001	World of Water Las Vegas, NV	Water World and Industrial Water World
<b>December 11-13</b>	<b>POWER-GEN Conference Las Vegas, NV</b>	<b>Power Engineering Magazine</b>
<b>January 28-29, 2002</b>	<b>Reducing Your Energy Costs Conference New Orleans, LA</b>	<b>Center for Business Intelligence</b>
<b>June 6-7, 2002</b>	<b>West Coast Energy Management Congress Anaheim, CA</b>	<b>Association of Energy Engineers</b>
<b>June 15-20, 2002</b>	<b>Solar 2002 Reno, NV</b>	<b>American Solar Energy Society</b>

### **INTERNATIONAL**

<b>DATE</b>	<b>EVENT</b>	<b>SPONSOR</b>
<b>August 8-12, 2001</b>	<b>51<sup>st</sup> Annual Convention Montreal, Canada</b>	<b>American Institute of Building Design</b>
<b>December 7-8, 2001</b>	<b>MTEE-21: International Symposium on the Management and Technology of Energy and the Environment Vancouver, Canada</b>	

DATE	EVENT	SPONSOR
March 13-15, 2002	GLOBE 2002 – Seventh International Conference and Trade Fair on the Business of the Environment Vancouver, Canada	GLOBE Foundation of Canada

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